Product datasheet for TA347761

**GRP78 (HSPA5) Rabbit Polyclonal Antibody**

**Product data:**

- **Product Type:** Primary Antibodies
- **Applications:** WB
- **Recommend Dilution:** WB: 1:500-1:2000
- **Reactivity:** Human, Mouse, Rat
- **Host:** Rabbit
- **Isotype:** IgG
- **Clonality:** Polyclonal
- **Immunogen:** The immunogen for anti-GRP78 Antibody: A synthesized peptide derived from human GRP78
- **Formulation:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20°. Stable for 12 months from date of receipt
- **Concentration:** Lot specific
- **Purification:** Immunogen affinity purified
- **Storage:** Store at -20°C as received.
- **Stability:** Stable for 12 months from date of receipt.
- **Predicted Protein Size:** 75 kDa
- **Gene Name:** heat shock protein family A (Hsp70) member 5
- **Database Link:** NP_005338 Entrez Gene 14828 Mouse Entrez Gene 25617 Rat Entrez Gene 3309 Human
- **Background:** GRP78 a member of the HSP family of molecular chaperones required for endoplasmic reticulum integrity and stress-induced autophagy. Plays a central role in regulating the unfolded protein response (UPR), and is an obligatory component of autophagy in mammalian cells. May play an important role in cellular adaptation and oncogenic survival. One of the client proteins of GRP78 is protein double-stranded RNA-activated protein-like endoplasmic reticulum kinase (PERK).
- **Synonyms:** BIP; GRP78; HEL-S-89n; MIF2
- **Note:** GRP78 Antibody detects endogenous levels of GRP78
- **Protein Families:** Druggable Genome
- **Protein Pathways:** Antigen processing and presentation, Prion diseases

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Western blot analysis on COS7 cell lysate using GRP78 Antibody